

# PHOTOCATALYST CARRIER

## ABSTRACT

5 A photocatalyst carrier comprises a carrier and a photocatalyst, wherein the carrier having a surface is made of an electric conductive material, and the photocatalyst is coated unevenly onto the surface to form a plurality of photocatalyst electrodes. By applying the concept of electronic transmission, the existence probability of the electron-hole pair is increased for enabling the reactant to perform an oxidation-reduction reaction on the photocatalyst and carrier respectively so as to enhance the photocatalyst activity.